**AMENDMENTS TO THE CLAIMS**:

This listing of claims will replace all prior versions, and listings, of claims in the application.

**LISTING OF CLAIMS**:

1. (Canceled).

2. (Currently Amended) The method of claim ~~1~~6 wherein said enabling ~~step~~ includes providing multiple control signals for enabling and disabling said packet processing tasks controlled by a state machine that determines the state of the receiver.

3. (Canceled).

4. (Canceled).

5. (Canceled).

6. (Currently Amended) ~~The~~A method of ~~claim 1~~conserving power in a WLAN receiver comprising:

determining packet processing tasks that need only to be operated for a brief period of time during the reception of a received packet wherein said packet processing tasks include automatic gain control, radio control setting and frequency offset processing ~~and said automatic gain control, radio control setting and frequency offset processing~~;

enabling said packet processing tasks only during said brief period of time of said received .packet; and

~~are disabled~~disabling said packet processing tasks after each has completed its processing task for each packet.

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7. (Previously Presented) The method of claim 6 wherein said packet processing tasks includes channel estimation and said channel estimation is disabled after the preamble of each packet.

8. (Currently Amended) A system for conserving power in a WLAN receiver comprising:

> a plurality of modules <u>includes automatic gain control, radio control setting and frequency offset processing</u> for performing packet processing tasks that occupy only a brief period for the receiver for each packet<u>, wherein said packet processing tasks include automatic gain control, radio control setting and frequency offset processing</u>;

> a clock with multiple clock zones for the multiple tasks;

> a state machine for determining the state of signal processing of a received packet;

> said clock coupled to said modules and responsive to the state of the state machine for disabling said modules when processing is complete for each packet.

9. (Canceled).

10. (Canceled).

11. (Previously Presented) The system of claim 8 wherein said plurality of modules includes a module used exclusively for pilot processing after the preamble.

12. (Currently Amended) The system of claim ~~11~~8 wherein said plurality of modules further includes a channel estimator operated only during the preamble of each packet.